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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing      OR       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	06457 USA
First Named Inventor	Dingjun Wu, et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	10 / 800,880
Filing Date	15 March 2004
Group Art Unit	1746
Examiner Name	

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## METHOD FOR REMOVING TITANIUM DIOXIDE DEPOSITS FROM A REACTOR

**(Title of the Invention)**

the specification of which

is attached hereto.

OB

was filed on (MM/DD/YYYY)

03/15/2004

as United States Application Number or PCT International

Application Number 10/800,880 and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Application in which priority is claimed:		Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
Prior Foreign Application Number(s)	YES				NO	
				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

Please type a plus sign (+) inside this box →

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:  Customer Number or Bar Code Label **23543**  OR  Correspondence address below

Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :

A petition has been filed for this unsigned inventor

Given Name **Dingjun** Family Name **Wu**  
(first and middle [if any]) or Surname

Inventor's Signature 

Date **March 18, 2004**

Residence: City **Macungie** State **PA** USA **Country** **P.R. CHINA**  
Citizenship

Mailing Address **5754 Fresh Meadow Drive**

Mailing Address

City **Macungie** State **PA** ZIP **18062** USA **Country**

NAME OF SECOND INVENTOR:

A petition has been filed for this unsigned inventor

Given Name **Bing** Family Name **Ji**  
(first and middle [if any]) or Surname

Inventor's Signature 

Date **March 18, 2004**

Residence: City **Allentown** State **PA** USA **Country** **USA**  
Citizenship

Mailing Address **6736 Windemere Court**

Mailing Address

City **Allentown** State **PA** ZIP **18104** USA **Country**

Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.



Please type a plus sign (+) inside this box →  +

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Philip Bruce		Henderson	
Inventor's Signature	<i>Philip Bruce Henderson</i>		Date <i>March 18, 2004</i>
Residence: City	Allentown	PA State	USA Country
USA Citizenship			
Mailing Address 6140 Fairway Lane			
Mailing Address			
City	Allentown	PA State	18106 ZIP USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Eugene Joseph		Karwacki, Jr.	
Inventor's Signature	<i>Eugene Joseph</i>		Date <i>March 18, 2004</i>
Residence: City	Orefield	PA State	USA Country
USA Citizenship			
Mailing Address 5620 Snowdrift Lane			
Mailing Address			
City	Orefield	PA State	18069 ZIP USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/81 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/800,880
Filing Date	15 March 2004
First Named Inventor	Dingjun Wu, et al.
Title	Method for Removing Titanium Dioxide...
Art Unit	1746
Examiner Name	
Attorney Docket Number	06457 USA

I hereby appoint:



Practitioners at Customer Number:

23543

OR



Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:



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The address associated with Customer Number:

OR



Firm or Individual Name



Address



Address



City



Country



Telephone

State

Zip

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I am the:



Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name Mark L. RodgersSignature MLRDate 10 June 2004Telephone 610481-8817

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Dingjun Wu, et al.Application No./Patent No.: 10/800,880 Filed/Issue Date: 15 March 2004Entitled: Method for Removing Titanium Dioxide Deposits From a ReactorAir Products and Chemicals, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or2.  an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.**OR**

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

10 June 2004Mark L. Rodgers

Date

Typed or printed name

610-481-8817

Telephone number

Signature

Assistant General Counsel, Patents

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**ASSIGNMENT**

For value received, we, Dingjun Wu, Bing Ji, Philip Bruce Henderson, and Eugene Joseph Karwacki, Jr., hereby sell, assign, and transfer to **AIR PRODUCTS AND CHEMICALS, INC.**, a corporation of the State of Delaware, having an office at 7201 Hamilton Boulevard, Allentown, PA 18195-1501, the entire right, title, and interest in and to the invention relating to

**METHOD FOR REMOVING TITANIUM DIOXIDE DEPOSITS FROM A REACTOR**

described in our application for Letters Patent of the United States (identified by Docket No. 06457 USA) executed of even date herewith, in and to all Letters Patent which may be issued upon said application, in and to any divisional or reissue applications based thereon, and in and to all Letters Patent upon said invention or improvements which may be granted in foreign countries. We hereby also assign and convey to said **AIR PRODUCTS AND CHEMICALS, INC.**, all the rights accruing to us by virtue of the International Convention for the Protection of Industrial Property (Art. 4), including the right to apply for and to have patents issued in its own name.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the Officials of the Patent Offices of all other countries to issue the Letters Patent of their respective countries to said **AIR PRODUCTS AND CHEMICALS, INC.**, as assignee of the entire right, title, and interest in and to the same.

And we hereby promise and agree to execute all papers and perform all acts necessary to secure to and vest in said **AIR PRODUCTS AND CHEMICALS, INC.**, its successors and assigns, the rights conveyed as herein set forth.

<u>Dingjun Wu</u> Dingjun Wu	(L.S.)	<u>Bing Ji</u> Bing Ji	(L.S.)
<u>March 18, 2004</u> Date		<u>March 18, 2004</u> Date	
<u>Philip Bruce Henderson</u> Philip Bruce Henderson	(L.S.)	<u>Eugene Joseph Karwacki, Jr.</u> Eugene Joseph Karwacki, Jr.	(L.S.)
<u>March 19, 2004</u> Date		<u>March 18, 2004</u> Date	